

# Solid Waste Stabilization and Disposition (RL-0013)/Operate Waste Disposal Facility (RL-0080)

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*NLOP Process Equipment*



*Leachate Tank and Loading Pad & Tanker at 200  
Liquid Effluent Facility*

## Overview

This section addresses Project Baseline Summary (PBS) RL-0013, *Solid Waste Stabilization and Disposition*; and RL-0080, *Operate Waste Disposal Facility*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of June 2005.

## Notable Accomplishments

**Transuranic (TRU) Waste Program:** Fourteen shipments totaling 63 cubic meters (m<sup>3</sup>) were shipped to the Waste Isolation Pilot Plant (WIPP) in June. The annual WIPP recertification audit was completed, including the certification of the box assay system and the GEA-A NDA 2000 system. Two minor Corrective Action Reports (CARs) were issued.

**TRU Waste Retrieval:** A total of 255 m<sup>3</sup> of suspect TRU waste was retrieved in June, versus 130 m<sup>3</sup> planned. A cumulative total of 2,562 m<sup>3</sup> TRU has been retrieved project-to-date, versus 1,942 m<sup>3</sup> planned.

**Mixed Low Level Waste (MLLW):** A total of 143 m<sup>3</sup> of MLLW was dispositioned in June, versus a planned 85 m<sup>3</sup>. To date, a total of 4,428 m<sup>3</sup> of MLLW has been dispositioned versus a planned 3,867 m<sup>3</sup>. Other accomplishments:

- Completed disposal of 183-H waste to the Environmental Restoration Disposal Facility (ERDF).
- Completed disposal of uranium billets from the 300 Area in the mixed waste trench.

**Liquid Waste Processing:** The 310 Treated Effluent Disposal Facility processed 2.3M gallons of liquid waste in June. Construction of the Purgewater Unloading Facility at the 200A Effluent Treatment Facility (ETF) continued. The new thin film dryer vessel and rotor were installed at the 200A ETF.

## FY 2005 Funds vs. Spend Forecast (\$M)

	Projected FY 2005 Funding	FY 2005 Fiscal Year Spend Forecast	Variance
RL-0013 Solid Waste Stabilization & Disposition	\$ 163.8	\$ 156.9	\$ 6.9
RL-0080 Operate Waste Disposal Facility	\$ 3.4	\$ 2.8	\$ 0.6
<b>Total</b>	<b>\$ 167.2</b>	<b>\$ 159.7</b>	<b>\$ 7.5</b>

## FY 2005 Schedule/Cost Performance (\$M)

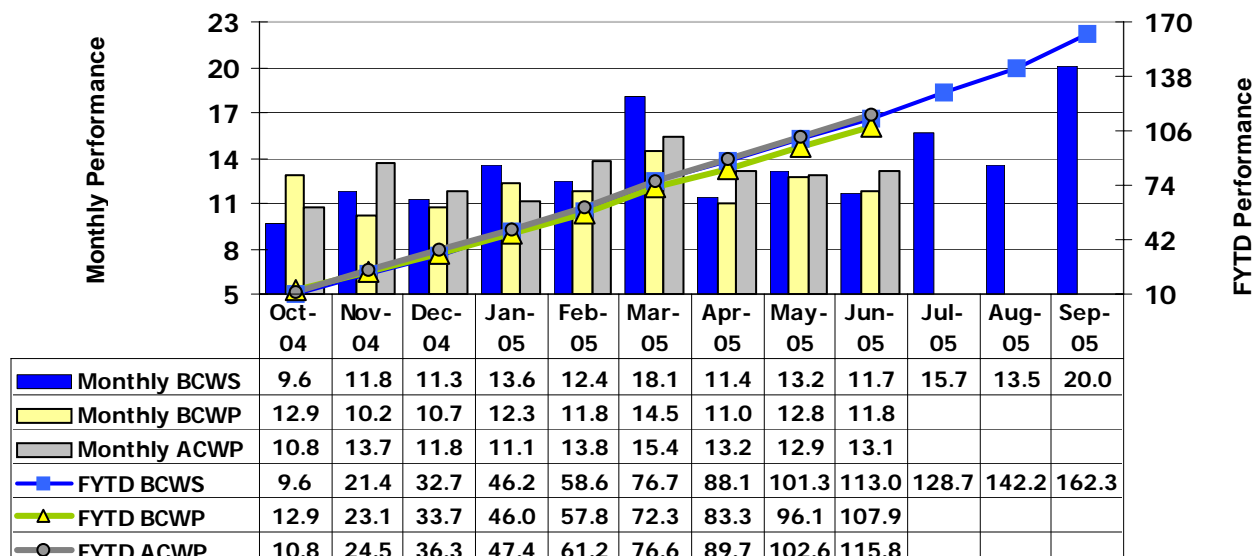
		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-0013	Solid Waste Stabilization & Disposition	\$110.5	\$105.3	\$114.0	-\$5.2	-4.7%	-\$8.7	-8.3%	\$158.6
RL-0080	Operate Waste Disposal Facility	\$2.6	\$2.6	\$1.8	\$0.0	-0.2%	\$0.8	31.0%	\$3.7
<b>Total</b>		<b>\$113.0</b>	<b>\$107.9</b>	<b>\$115.8</b>	<b>-\$5.2</b>	<b>-4.8%</b>	<b>-\$7.9</b>	<b>-7.3%</b>	<b>\$162.3</b>

Numbers are rounded to the nearest \$0.1M and include the closure services allocation.

**Schedule Performance (-\$5.2M/-4.8%):** The schedule variance in PBS RL-0013 is primarily due to WIPP shipments through June being five months behind, while TRU Retrieval is ahead of plan. WIPP shipments will continue to be unfavorable until the new baseline schedule is modified to reflect the reduced number of planned shipments.

**Cost Performance (-\$7.9M/-7.3%):** The cost variance in PBS RL-0013 is due to continuing waste characterization and assembling payloads for WIPP shipments, an up-front payment to treatment contractors, and North Load Out Pit (NLOP) sludge cost being incurred while awaiting implementation of the Baseline Change Request (BCR). These are offset by TRU Retrieval production efficiencies with higher volumes.

## Performance Analysis FYTD and Monthly (\$M)



## Milestone Achievement

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/Comment
M-91-42A (WMG-05-003)	Treat 1,630 m <sup>3</sup> (cum) of Waste to LDR Requirements	TPA	12/31/04	12/31/03		Complete
M-91-40B (WMG-05-002)	Retrieve 1,200 m <sup>3</sup> (cum) of suspect TRU Waste	TPA	12/31/04	9/30/04		Complete
M-26-01O (WMG-05-L01)	Submit Annual LDR Report	TPA	4/30/05	4/28/05		Complete
M-91-45B (WMG-05-008)	Submit Report on Completed and Scheduled work on RH Boxes and LC RH/CH Waste	TPA	9/30/05		9/30/05	On Schedule
M-91-12A	Complete thermal treatment of 240 m <sup>3</sup> of CH-MLLW	TPA	9/30/05		9/30/05	On Schedule
M-91-40C (WMG-06-002)	Retrieve a cumulative 2,700 m <sup>3</sup>	TPA	12/31/05		8/30/05	Ahead of Schedule
M-91-42B (WMG-06-013)	Treat a cumulative 3,260 m <sup>3</sup> of Waste to LDR Requirements	TPA	12/31/05	12/7/04		Complete
M-91-40D (WMG-07-002)	Retrieve a cumulative 4,700 m <sup>3</sup>	TPA	12/31/06		12/31/06	On Schedule
M-91-40R (WMG-07-003)	Complete Retrieval of Trench 4, Burial Ground 218-W-4C	TPA	12/31/06		12/31/06	On Schedule
M-91-42C (WMG-07-004)	Treat a cumulative 4,890 m <sup>3</sup> of Waste to LDR Requirements	TPA	12/31/06		12/31/06	On Schedule